

TITLE

NANOPARTICLE FRACTIONATION AND SIZE DETERMINATION

ABSTRACT

- A novel method for fractionating stabilized, water-soluble
5 nanoparticles based upon the size of the nanoparticles was discovered.
For stabilized, charged, water-soluble nanoparticles, the method
comprises the addition of a substantially water-miscible organic solvent to
an aqueous nanoparticle solution in the presence of an electrolyte.
Moreover, a method for determining the average particle size of stabilized,
10 charged, water-soluble nanoparticles using gel electrophoresis was
discovered.

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